

# A SAMPLING OF

# LARGE-FORMAT MONITORS

(19-inch and above)

compiled by MAUREEN MCKEON  
(based on information supplied by vendors)

**KEY:** ARAGAS = Antireflection, antiglare, antistatic V/H = Vertical/Horizontal — = Information not available

	ADI Systems Microscan 6G	CTX International* EX805	CTX International* EX910	EIZO Nanao* FlexScan TX-D7S	EIZO Nanao* FlexScan FX-E8	HP M900
Screen size (inches)	20	19	21	20	21	19
Viewable image size (inches)	20	18	20	18.8	19.7	18
Case footprint (HxWxD in inches)	19x19.6x22.1	18.2x18.1x18.7	20x20.2x20.3	19.1x19.4x22.5	19.1x19.4x22.5	17.9x17.6x18.1
Original manufacturer	ADI	CTX	CTX	EIZO Nanao	EIZO Nanao	HP
Tube technology	Invar shadow mask/ flat square	Hitachi high-contrast, flat square	Hitachi high-contrast, flat square	Sony Trinitron/ aperture grille	Invar shadow mask/ flat square	Flat square
Maximum pixel resolution	1,600x1,200	1,600x1,200	1,600x1,200	1,600x1,200	1,600x1,200	1,600x1,200
Maximum refresh rate	150 Hz @ 800x600	85 Hz @ 1,280x1,024	75 Hz @ 1,600x1,200	160 Hz @ 640x480	160 Hz @ 640x480	150 Hz @ 640x480
Maximum refresh rate at maximum resolution	75 Hz @ 1,600x1,200	75 Hz @ 1,600x1,200	75 Hz @ 1,600x1,200	87 Hz @ 1,600x1,200	87 Hz @ 1,600x1,200	75 Hz @ 1,600x1,200
Scanning frequencies (kHz horizontal, Hz vertical)	30-95 kHz, 50-160 Hz	30-95 kHz, 50-160 Hz	30-95 kHz, 50-160 Hz	30-95 kHz, 50-160 Hz	30-110 kHz, 50-160 Hz	30-95 kHz, 75-150 Hz
Dot pitch (mm)	.28	.26	.26	.25	.26	.26
Brightness control	Yes	Yes	Yes	Yes	Yes	Yes
Contrast control	Yes	Yes	Yes	Yes	Yes	Yes
Degauss control	Yes	Yes	Yes	Yes	Yes	Yes
Front-mounted controls	Yes	Yes	Yes	Yes	Yes	Yes
On-screen controls	Yes	Yes	Yes	Yes	Yes	Yes
Controls description	Digital	Digital	Digital	4-way navigation	4-way navigation	Push-button, rotating thumbwheel
Basic geometric controls	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, image size, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation
Advanced geometric controls	Moire, convergence, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain, Degauss	Moire, convergence, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain	User-defined settings with recall, color temperature
Tilt stand	Yes	Yes	Yes	Yes	Yes	Yes
Swivel stand	Yes	Yes	Yes	Yes	Yes	Yes
Screen glare reduction	Nonglare, dark tinted	ARAGAS multilayer coating	ARAGAS multilayer coating	ErgoPanel, antiglare, antistatic	SuperErgoCoat protection	Multilayer, antiglare and antistatic coating
Magnetic field correction	Yes	No	No	Yes	Yes	Yes
Microphone/speakers module	Yes	No	No	Yes	Yes	No
Standards compliance	TCO '95, MPR-II	TCO '95, MPR-II	TCO '95, MPR-II	TCO '95, MPR-II, CSA & FCC-B, ISO9241-3, Energy Star, more	TCO '95, MPR-II, CSA & FCC-B, ISO9241-3, Energy Star, more	TCO '92, MPR-II, Energy Star, Nutek, CSA, more
Warranty	42-month limited on parts, labor and CRT	3 years on parts and labor, 2 years on CRT	3 years on parts and labor, 2 years on CRT	3 years on parts, labor and CRT	3 years on parts, labor and CRT	3 years on parts and labor (first year on- site, second and third year carry in)
List price (\$)	1,299	999	1,499	1,999	2,667	1,074

\*Company offers additional large-format monitors

# Large-Format Monitors

	HP Ergo Ultra VGA 1600	IBM P200	IBM P201	Iiyama Vision-Master 450	Intergraph* 19sd95	Intergraph* 28hd96
Screen size (inches)	21	20	20	19	19	28
Viewable image size (inches)	20	19.1	19.1	18	18	25.9
Case footprint (HxWxD in inches)	19.2x19.9x22.4	19.4x18.6x19.7	18.7x18.7x19.9	—	17.9x17.6x18.1	19.5x27.5x24.4
Original manufacturer	HP	Sony	Sony	Iiyama	Hitachi	Panasonic
Tube technology	Flat square	Sony Trinitron/aperture grille	Sony Trinitron/aperture grille	Invar shadow mask/flat square	Invar shadow mask/flat square	Invar shadow mask/flat square
Maximum pixel resolution	1,600x1,200	1,600x1,200	1,800x1,440	1,600x1,200	1,600x1,200	2,048x1,152
Maximum refresh rate	150 Hz @ 640x480	85 Hz @ 1,280x1,024	85 Hz @ 1,600x1,200	94 Hz @ 1,280x1,024	88 Hz @ 1,280x1,024	85 Hz @ 1,920x1,080
Maximum refresh rate at maximum resolution	75 Hz @ 1,600x1,200	75 Hz @ 1,600x1,200	70 Hz @ 1,800x1,440	81 Hz @ 1,600x1,200	76 Hz @ 1,600x1,200	80 Hz @ 2,048x1,152
Scanning frequencies (kHz horizontal, Hz vertical)	30-95 kHz, 75-150 Hz	30-96 kHz, 48-160 Hz	30-107 kHz, 50-160 Hz	27-102 kHz, 50-160 Hz	30-95 kHz, 50-160 Hz	30-96 kHz, 50-160 Hz
Dot pitch (mm)	.25	.31	.25	.28	.28	.32
Brightness control	Yes	Yes	Yes	Yes	Yes	Yes
Contrast control	Yes	Yes	Yes	Yes	Yes	Yes
Degauss control	Yes	Yes	Yes	Yes	Yes	Yes
Front-mounted controls	Yes	Yes	Yes	Yes	Yes	Yes
On-screen controls	Yes	Yes	No	Yes	Yes	Yes
Controls description	Push-button, rotating thumbwheel	Push-button	Push-button	Push-button	Digital, push-button	Digital, push-button
Basic geometric controls	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation
Advanced geometric controls	User-defined settings with recall, color temperature	Moire, convergence	Moire, convergence, purity adjust	Moire, convergence, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain
Tilt stand	Yes	Yes	Yes	Yes	Yes	No
Swivel stand	Yes	Yes	Yes	Yes	Yes	No
Screen glare reduction	Multilayer, antiglare and antistatic coating	7-layer, 1/4-wave, antiglare coating	7-layer, 1/4-wave, antiglare coating	Antiglare coating, etching	Optical coating	Super ARAGAS optical coating
Magnetic field correction	Yes	No	No	Yes	No	No
Microphone/speakers module	No	No	No	No	No	No
Standards compliance	TCO '92, MPR-II, Energy Star, Nutek, CSA, more	TCO '92, MPR-II, ISO9341-3, Energy Star, VESA DPMS, Nutek	TCO '92, MPR-II, ISO9341-3, Energy Star, VESA DPMS, Nutek	TCO '95, MPR-II, VESA DPMS	TCO '95, MPR-II, ISO9241-3, Energy Star, VESA DPMS	TCO '95, MPR-II, ISO9241-3, Energy Star, VESA DPMS
Warranty	3 years on parts and labor (first year on-site, second and third year carry in)	3 years on all components, Advance Exchange Program	3 years on all components, Advance Exchange Program	3 years on parts, labor and CRT	Contact vendor	Contact vendor
List price (\$)	1,929	1,499	1,799	849	1,125	9,995

\*Company offers additional large-format monitors

# Large-Format Monitors

	KDS USA VS-19	KDS USA VS-21	Mitsubishi* Diamond Pro 91TXM	Mitsubishi* Diamond Pro 1010	MultiVideo Labs MV2975XLV	NEC MultiSync E1100
Screen size (inches)	19	21	21	21	29	21
Viewable image size (inches)	18.8	19.9	19.7	19.7	27	19.8
Case footprint (HxWxD in inches)	19.1x19.9x20.7	19.1x19.9x20.7	19.3x19.7x19.2	19.3x19.7x19.2	23x26x19	20.4x20.0x22.1
Original manufacturer	KDS	KDS	Mitsubishi	Mitsubishi	—	NEC
Tube technology	Invar shadow mask/flat square	Invar shadow mask/flat square	Mitsubishi DiamondTron/aperture grille	Mitsubishi DiamondTron/aperture grille	Flat square, dual focus	Dot-trio CRT
Maximum pixel resolution	1,600x1,200	1,800x1,440	1,600x1,200	1,800x1,440	1,024x768	1,600x1,200
Maximum refresh rate	93 Hz @ 1,600x1,200	93 Hz @ 1,600x1,200	75 Hz @ 1,600x1,200	85 Hz @ 1,600x1,200	60 Hz @ 800x600	120 Hz @ 832x624
Maximum refresh rate at maximum resolution	78 Hz @ 1,600x1,200	78 Hz @ 1,800x1,440	75 Hz @ 1,600x1,200	75 Hz @ 1,800x1,440	—	65 Hz @ 1,600x1,200
Scanning frequencies (kHz horizontal, Hz vertical)	28-95 kHz, 50-120 Hz	30-117 kHz, 50-160 Hz	30-95 kHz, 50-152 Hz	30-115 kHz, 50-152 Hz	31-38 kHz, 55-100 Hz	31-82 kHz, 55-120 Hz
Dot pitch (mm)	.28	.28	.28	.26	.75	.28
Brightness control	Yes	Yes	Yes	Yes	Yes	Yes
Contrast control	Yes	Yes	Yes	Yes	Yes	Yes
Degauss control	Yes	Yes	Yes	Yes	Yes	Yes
Front-mounted controls	Yes	Yes	Yes	Yes	Yes	Yes
On-screen controls	Yes	Yes	Yes	Yes	No	Yes
Controls description	Push-button	Push-button	Digital	Digital	Rotating thumbwheel	Front-bezel, digital
Basic geometric controls	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Rotation	Tilt, align, rotation sides in/out, sides left/right
Advanced geometric controls	Moire, color temperature, RGB gain	Moire, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain	Moire, digital dynamic convergence, color temperature, RGB gain, corner purity	None	Moire, Accucolor control system, linearity, language select, OSM position, OSM turnoff
Tilt stand	Yes	Yes	Yes	Yes	No	Yes
Swivel stand	Yes	Yes	Yes	Yes	No	Yes
Screen glare reduction	ARAGAS optical coating	ARAGAS optical coating	Optical quality, high-contrast, antistatic, antiglare	Optical quality, high-contrast, antistatic, antiglare	Etching	OptiClear screen surface
Magnetic field correction	Yes	Yes	Yes	Yes	—	Yes
Microphone/speakers module	No	No	No	No	Yes	No
Standards compliance	TCO '92, MPR-II, VESA DPMS, Energy Star, Nemko, more	TCO '92, MPR-II, VESA DPMS, Energy Star, Nemko, more	TCO '95, MPR-II, Energy Star, DPMS, Nutek	TCO '95, MPR-II, Energy Star, DPMS, Nutek	MPR-II, Energy Star	TCO '92, MPR-II, Energy Star, ISO9241-3, more
Warranty	3 years full warranty	3 years full warranty	3 years on parts, labor and CRT	3 years on parts, labor and CRT	2 years on parts and labor	3 years limited on parts, labor and CRT
List price (\$)	899	1,395	1,649	1,995	1,599	1,349

\*Company offers additional large-format monitors

# Large-Format Monitors

	NEC MultiSync P1150	NDP 445Xpro	NDP 446Xpro	Optiquest V95	Optiquest V115	Panasonic* PanaSync E21
Screen size (inches)	21	21	19	19	21	21
Viewable image size (inches)	19.6	20	17.7	18	20	20
Case footprint (HxWxD in inches)	20.4x20.0x22.1	19.29x20.28x21.41	17.8x18.3x18.6	18.1x17.7x17.7	19.2x19.8x20	19x19.9x20.4
Original manufacturer	Mitsubishi	NDP	NDP	Optiquest	Optiquest	Panasonic
Tube technology	Mitsubishi DiamondTron	Invar shadow mask/flat square	Invar shadow mask/flat square	Invar shadow mask/flat square	Invar shadow mask/flat square	Invar shadow mask/flat square
Maximum pixel resolution	1,600x1,200	1,800x1,440	1,600x1,280	1,600x1,200	1,600x1,200	1,600x1,280
Maximum refresh rate	160 Hz @ 640x480	150 Hz @ 1,024x768	130 Hz @ 1,024x768	88 Hz @ 1,280x1,024	88 Hz @ 1,280x1,024	138 Hz @ 800x600
Maximum refresh rate at maximum resolution	75 Hz @ 1,600x1,200	80 Hz @ 1,800x1,440	80 Hz @ 1,600x1,280	76 Hz @ 1,600x1,200	76 Hz @ 1,600x1,200	67 Hz @ 1,600x1,280
Scanning frequencies (kHz horizontal, Hz vertical)	31-94 kHz, 55-160 Hz	121 kHz, 50-150 Hz	107 kHz, 50-150 Hz	30-95 kHz, 50-160 Hz	30-95 kHz, 50-160 Hz	30-89 kHz, 50-160 Hz
Dot pitch (mm)	.28	.21	.21	.26	.26	.25
Brightness control	Yes	Yes	Yes	Yes	Yes	Yes
Contrast control	Yes	Yes	Yes	Yes	Yes	Yes
Degauss control	Yes	Yes	Yes	Yes	Yes	Yes
Front-mounted controls	Yes	Yes	Yes	Yes	Yes	Yes
On-screen controls	Yes	Yes	Yes	Yes	Yes	Yes
Controls description	Front-bezel, digital	Push-button, rotating thumbwheel	Push-button, rotating thumbwheel	Push-button	Push-button	Push-button
Basic geometric controls	Tilt, align, rotation sides in/out, sides left/right	Pin cushion, trapezoid, tilt, orthogonality	Pin cushion, trapezoid, tilt, orthogonality	Pin cushion, trapezoid, parallelogram, rotation, pin balance	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram
Advanced geometric controls	Moire, Accucolor control system, linearity, language select, OSM position, OSM turnoff	—	Moire, clarity preset	Moire, color temperature, RGB gain	Moire, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain
Tilt stand	Yes	Yes	Yes	Yes	Yes	Yes
Swivel stand	Yes	Yes	Yes	Yes	Yes	Yes
Screen glare reduction	OptiClear screen surface	Antiglare, multilayer, high-conductive Nokia coating	Antiglare, multilayer, high-conductive Nokia coating	ARAGAS coating	ARAGAS coating	ARAGAS (add-on filter)
Magnetic field correction	Yes	Yes	Yes	No	No	Yes
Microphone/speakers module	No	No	No	No	No	No
Standards compliance	TCO '92, MPR-II, Energy Star, ISO9241-3, more	TCO '95, MPR-II, VESA DPMS, Energy Star, ISO9241-3, Nutek	TCO '95, MPR-II, VESA DPMS, Energy Star, ISO9241-3, Nutek	TCO '92, VESA DPMS, Energy Star	TCO '92, VESA DPMS, Energy Star	MPR-II, VESA DPMS, Energy Star, CSA, more
Warranty	3 years limited on parts, labor and CRT	3 years on parts and labor, 2 years on CRT	3 years on parts and labor, 2 years on CRT	3 years on parts and CRT, 1 year labor	3 years on parts and CRT, 1 year on labor	3 years on parts and labor, 1 year on-site replacement
List price (\$)	1,349	1,599	1,099	945	1,349	1,299

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# Large-Format Monitors

	Panasonic* PanaSync P21	Philips Brilliance 109	Philips Brilliance 201	Pixie 995	Princeton* EO90	Princeton* C2001
Screen size (inches)	21	19	21	19	19	21
Viewable image size (inches)	20	17.9	19.9	18	18	20
Case footprint (HxWxD in inches)	19x19.9x20.4	19.1x20.3x19.3	21.1x20.7x21.7	—	18.8x18.8x18.9	15.8x16.1x18
Original manufacturer	Panasonic	Philips	Philips	Rovel Information Electronics	Princeton	Princeton
Tube technology	Invar shadow mask/flat square	Invar shadow mask/flat square	Invar shadow mask/flat square	Aperture grille/dark tint Hitachi	Invar shadow mask	Mitsubishi Diamontron/aperture grille
Maximum pixel resolution	1,800x1,440	1,600x1,280	1,600x1,280	1,600x1,200	1,600x1,200	1,600x1,200
Maximum refresh rate	160 Hz @ 800x600	75 Hz @ 1,600x1,200	80 Hz @ 1,600x1,280	85 Hz @ 1,280x1,024	85 Hz @ 1,280x1,024	85 Hz @ 1,600x1,200
Maximum refresh rate at maximum resolution	71 Hz @ 1,800x1,440	71 Hz @ 1,600x1,280	80 Hz @ 1,600x1,280	75 Hz @ 1,600x1,200	75 Hz @ 1,600x1,200	70 Hz @ 1,600x1,200
Scanning frequencies (kHz horizontal, Hz vertical)	30-115 kHz, 50-160 Hz	30-95 kHz, 50-160 Hz	30-107 kHz, 50-170 Hz	30-95 kHz, 47-120 Hz	95 kHz, 50-200 Hz	30-107 kHz, 50-160 Hz
Dot pitch (mm)	.25	.26	.26	.22	.26	.28
Brightness control	Yes	Yes	Yes	Yes	Yes	Yes
Contrast control	Yes	Yes	Yes	Yes	Yes	Yes
Degauss control	Yes	Yes	Yes	Yes	Yes	Yes
Front-mounted controls	Yes	Yes	Yes	Yes	Yes	Yes
On-screen controls	Yes	Yes	Yes	Yes	Yes	Yes
Controls description	Push-button	Digital, push-button, rotating thumbwheel, software controls	Digital, push-button, rotating thumbwheel, software controls	Push-button	Digital, push-button	Digital, push-button
Basic geometric controls	Pin cushion, trapezoid, parallelogram	Pin cushion, trapezoid, parallelogram, tilt, V-shift, H-shift, corner correction, Moire	Pin cushion, trapezoid, parallelogram, rotation, tilt, V-shift, H-shift, unbalanced pin cushion	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation, H/V-size, position	Pin cushion, pin cushion balance, trapezoid, parallelogram, tilt, rotation
Advanced geometric controls	Moire, convergence, color temperature, RGB gain	Moire, color temperature	Moire, color temperature, geometry, RGB gain	Moire, convergence, color temperature, RGB gain	V/H Moire, colorlight controls, RGB gain	H/V convergence, color temperature, H/V focus, adjust, purity
Tilt stand	Yes	Yes	Yes	Yes	Yes	Yes
Swivel stand	Yes	Yes	Yes	Yes	Yes	Yes
Screen glare reduction	ARAGAS (add-on filter)	ARAGAS coating	ARAGAS coating	Nonglare, antistatic coating	High-contrast, dark tinted, Advanced AntiReflection (AART) coating	Advanced AntiReflection (AART) coating
Magnetic field correction	Yes	Yes	Yes	Yes	Yes	Yes
Microphone/speakers module	No	Yes	Yes	Yes	No	No
Standards compliance	TCO '92, MPR-II, VESA DPMS, Energy Star, CSA, more	TCO '95, MPR-II, Energy Star, Nutek	TCO '95, MPR-II, Energy Star, Nutek	TCO '95, MPR-II, Energy Star, DPMS, CSA, more	TCO '95, Energy Star, VESA DPMS, FCC -B	TCO '95, MPR-II, ISO9241-3, FCC-B
Warranty	3 years parts and labor, 1 year on-site replacement	3 years on parts and labor	3 years on parts and labor	3 years full warranty	3 years on parts, labor and CRT	3 years on parts, labor and CRT
List price (\$)	1,599	1,049	1,799	799	999	1,999

\*Company offers additional large-format monitors

# Large-Format Monitors

	Samsung SyncMaster 20 GLsi	Samsung SyncMaster 1000p	Smile CA2111	Sony* GDM-400PS	Sony* GDM-W900	Sun* CMU51U
Screen size (inches)	20	21	21	19	24	19
Viewable image size (inches)	18.75	19.7	20	18	22.5	18
Case footprint (HxWxD in inches)	19.9x19.3x20.2	20x19.9x21.6	22.8x26x22.6	—	19.8x22.9x21.6	17.6x17.9x18.1
Original manufacturer	Samsung	Samsung	Smile	Sony	Sony	—
Tube technology	Invar shadow mask	Invar shadow mask	Invar shadow mask/ Cromaclear-EX (NEC)	Sony Trinitron/ aperture grille	Sony Trinitron/ aperture grille	Invar shadow mask/ flat square
Maximum pixel resolution	1,600x1,200	1,600x1,200	1,600x1,280	1,600x1,200	1,920x1,200	1,600x1,200
Maximum refresh rate	76 Hz @ 1,280x1,024	85 Hz @ 1,280x1,024	75 Hz @ 1,024x768	75 Hz @ 1,600x1,200	76 Hz @ 1,920x1,200	85 Hz @ 1,600x1,200
Maximum refresh rate at maximum resolution	66 Hz @ 1,600x1,200	85 Hz @ 1,600x1,200	66 Hz @ 1,600x1,280	75 Hz @ 1,600x1,200	76 Hz @ 1,920x1,200	85 Hz @ 1,600x1,200
Scanning frequencies (kHz horizontal, Hz vertical)	30-82 kHz, 50-120 Hz	30-107 kHz, 50-160 Hz	30-82 kHz, 50-100 Hz	—	—	30-96 kHz, 10-160 Hz
Dot pitch (mm)	.28	.25	.28	.25-.27 variable	.25-.28 variable	.26
Brightness control	Yes	Yes	Yes	Yes	Yes	Yes
Contrast control	Yes	Yes	Yes	Yes	Yes	Yes
Degauss control	Yes	Yes	Yes	Yes	Yes	Yes
Front-mounted controls	Yes	Yes	Yes	Yes	Yes	Yes
On-screen controls	Yes	Yes	No	Yes	Yes	Yes
Controls description	Digital	Digital	Digital	Push-button	Push-button	Digital
Basic geometric Controls	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation, H/V position	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation
Advanced geometric controls	Color control, hue, saturation, signal select	Real color control, convergence, moire	Convergence, color matching	Moire, convergence, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain
Tilt stand	Yes	Yes	Yes	Yes	Yes	Yes
Swivel stand	Yes	Yes	Yes	Yes	Yes	Yes
Screen glare reduction	AR (Antireflective) Ultra Clear coating with antistatic	AR (Antireflective) Ultra Clear coating with antistatic	ARAGAS, tint-treated screen	Antireflective panel	Anitreflective panel	Antiglare coating
Magnetic field correction	No	Yes	Yes	No	Yes	Yes
Microphone/speakers module	No	No	No	No	No	No
Standards compliance	MPR-II, DPMS, Energy Star, Nutek, ISO9241-3	TCO '95, MPR-II, DPMS, Nutek, Energy Star	MPR-II, VESA DPMS, Energy Star, CSA, ISO9241-3, more	TCO '95, more	TCO '95, MPR-II, FCC-B, more	TCO '95, MPR-II, VESA DPMS, Energy Star
Warranty	3 years on parts, labor and CRT	3 years on parts, labor and CRT	3 years on parts, labor and CRT	1 year backlight warranty, 2 years on parts, labor and CRT	3 years on parts, labor and CRT	13 months full warranty
List price (\$)	1,088	1,697	1,459	1,199	3,999	1,400

\*Company offers additional large-format monitors

# Large-Format Monitors

	Sun* GDM-20E20	Sun* GDM-90W10	Tatung* CM-20MVR	Taxan Ergo- Vision 2040	Taxan Ergo- Vision 2150	Techmedia Ventana 8221E
Screen size (inches)	20	24	20	20	21	21
Viewable image size (inches)	18.3	22.5	18.6	18.4	19.7	19.5
Case footprint (HxWxD in inches)	18.5x19.2x20	22.9x19.7x21.4	—	—	—	19.3x19.4x19.3
Original manufacturer	Sony	Sony	Tatung	Taxan	Mitsubishi	iiyama
Tube technology	Sony Trinitron/ aperture grille	Sony Trinitron/ aperture grille	Invar shadow mask	Conventional	Mitsubishi DiamondTron	Invar shadow mask/flat square
Maximum pixel resolution	1,280x1,024	1,920x1,200	1,280x1,024	1,600x1,200	1,600x1,200	1,600x1,200
Maximum refresh rate	76 Hz @ 1,280x1,024	76 Hz @ 1,280x800	—	80 Hz @ 1,280x1,024	75 Hz @ 1,600x1,200	87 Hz @ 1,280x1,024
Maximum refresh rate at maximum resolution	76 Hz @ 1,280x1,024	70 Hz @ 1,920x1,200	75 Hz @ 1,280x1,024	107 Hz @ 1,600x1,200	75 Hz @ 1,600x1,200	75 Hz @ 1,600x1,200
Scanning frequencies (kHz horizontal, Hz vertical)	30-82 kHz, 48-160 Hz	30-96 kHz, 50-160 Hz	28-85 kHz, 50-160 Hz	30-86 kHz, 50-120 Hz	30-95 kHz, 50-152 Hz	27-94 kHz, 50-160 Hz
Dot pitch (mm)	.31	.26-.29	.28	.28	.28	.22-.27
Brightness control	Yes	Yes	Yes	Yes	Yes	Yes
Contrast control	Yes	Yes	Yes	Yes	Yes	Yes
Degauss control	Yes	Yes	Yes	Yes	Yes	Yes
Front-mounted controls	Yes	Yes	Yes	Yes	Yes	Yes
On-screen controls	Yes	Yes	Yes	Yes	No	Yes
Controls description	Digital	Digital	Push-button	Push-button	Digital	Push-button
Basic geometric controls	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation	Pin cushion, trapezoid, parallelogram, rotation, raster
Advanced geometric controls	Moire, convergence, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain	Convergence, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain	Moire, convergence, color temperature, RGB gain
Tilt stand	Yes	Yes	Yes	Yes	Yes	Yes
Swivel stand	Yes	Yes	Yes	Yes	Yes	Yes
Screen glare reduction	Antiglare coating	Antiglare coating	Dark-tinted, antiglare coating	Antiglare coating	ARAGAS coating	Antiglare, antistatic coating
Magnetic field correction	No	No	Yes	Yes	Yes	Yes
Microphone/speakers module	No	No	No	No	No	Yes
Standards compliance	TCO '92, MPR-II, VESA DPMS, Energy Star	TCO '92, MPR-II, VESA DPMS, Energy Star	—	TCO '95, MPR-II, VESA DPMS, Energy Star	TCO '95, MPR-II, VESA DPMS, Energy Star	TCO '95, MPR-II, VESA DPMS, Energy Star
Warranty	13 months full warranty	13 months full warranty	1 year return to manufacturer	Contact vendor	1 year on-site, 3 years on parts, labor and CRT	3 years on parts, labor and CRT
List price (\$)	2,100	4,000	1,850	Contact vendor	Contact vendor	1,499

\*Company offers additional large-format monitors

# Large-Format Monitors

	ViewSonic* G790	ViewSonic* P815
Screen size (inches)	19	21
Viewable image size (inches)	18	20
Case footprint (HxWxD in inches)	17.7x17.8x18.3	19.2x19.9x20.4
Original manufacturer	ViewSonic	ViewSonic
Tube technology	Flat square	Flat square
Maximum pixel resolution	1,600x1,280	1,800x1,440
Maximum refresh rate	150 Hz @ 640x480	160 Hz @ 800x600
Maximum refresh rate at maximum resolution	74 Hz @ 1,600x1,280	76 Hz @ 1,800x1,440
Scanning frequencies (kHz) (kHz horizontal, Hz vertical)	20-95 kHz, 50-180 Hz	30-115 kHz, 50-160 Hz
Dot pitch (mm)	.26	.25
Brightness control	Yes	Yes
Contrast control	Yes	Yes
Degauss control	Yes	Yes
Front-mounted controls	Yes	Yes
On-screen controls	Yes	Yes
Controls description	Digital	Digital
Basic geometric controls	Pin cushion, trapezoid, parallelogram, rotation, H/V size/position	Pin cushion, trapezoid, parallelogram, rotation H/V size/position
Advanced geometric controls	Moire, ViewMatch, color control	ViewMatch color control, H/V moire
Tilt stand	Yes	Yes
Swivel stand	Yes	Yes
Screen glare reduction	ARAGAS coating, super contrast	ARAGAS coating, super contrast
Magnetic field correction	Yes	Yes
Microphone/speakers module	No	No
Standards compliance	TCO '95, MPR-II, VESA DPMS, Energy Star, Nutek	TCO '95, MPR-II, Energy Star, Nutek
Warranty	3 years on parts and labor	3 years on parts and labor
List price (\$)	999	1,699

\*Company offers additional large-format monitors

## COMPANIES MENTIONED IN SURVEY

**ADI Systems Inc.**  
2115 Ringwood Ave.  
San Jose, CA 95131  
Circle 200

**CTX International Inc.**  
748 Eppeson Drive  
City of Industry, CA 91748  
Circle 201

**EIZO Nanao Technologies Inc.**  
5710 Warland Drive  
Cypress, CA 90630  
Circle 202

**Hewlett-Packard Co.**  
19310 Pruneridge Ave.  
Cupertino, CA 95014  
Circle 203

**IBM Corp.**  
3039 Cornwallis Road  
Research Triangle Park, NC 27709  
Circle 204

**Iiyama North America Inc.**  
575 Anton Blvd., Ste. 590  
Costa Mesa, CA 92626  
Circle 205

**Intergraph Computer Systems Inc.**  
One Madison Industrial Park  
Huntsville, AL 35894  
Circle 206

**KDS USA Inc.**  
12300 Edison Way  
Garden Grove, CA 92641  
Circle 207

**Mitsubishi Electronics America Inc.**  
5665 Plaza Drive  
Cypress, CA 90630  
Circle 208

**MultiVideo Labs Inc.**  
29 Airpark Road  
Princeton, NJ 08540  
Circle 209

**NEC Technologies Inc.**  
1250 N. Arlington Heights Road  
Itasca, IL 60143  
Circle 210

**Nokia Display Products Inc.**  
123 Second St.  
Sausalito, CA 94965  
Circle 211

**Optiquist, a ViewSonic Company**  
438 Cheryl Lane  
Walnut, CA 91789  
Circle 212

**Panasonic Computer Peripherals Co.**  
2 Panasonic Way  
Secaucus, NJ 07094  
Circle 213

**Philips Electronics Inc.**  
64 Perimeter Center E.  
Atlanta, GA 31146  
Circle 214

**Pixie Technologies Inc.**  
46771 Fremont Blvd.  
Fremont, CA 94538  
Circle 215

**Princeton Graphic Systems**  
2801 South Yale  
Santa Ana, CA 92708  
Circle 216

**Samsung Electronics America Inc.**  
105 Challenger Road  
Ridgefield Park, NJ 07660  
Circle 217

**Smile International Inc.**  
1575 Sunflower Ave.  
Costa Mesa, CA 92626  
Circle 218

**Sony Electronics Inc.**  
3300 Zanker Road  
San Jose, CA 95134  
Circle 219

**Sun Microsystems Computer Co.**  
901 San Antonio Road  
Palo Alto, CA 94303  
Circle 220

**Tatung Science and Technology Inc.**  
1840 McCarthy Blvd.  
Milpitas, CA 95035  
Circle 221

**Taxan Ltd.**  
Cookham Road  
Bracknell, Berks  
England RG12 1RB  
Circle 222

**Techmedia Computer Systems Corp.**  
7301 Orangewood Ave.  
Garden Grove, CA 92841  
Circle 223

**ViewSonic Corp.**  
381 Brea Canyon Road  
Walnut, CA 91789  
Circle 224

